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21 Student Posters: User activity histories

77%



Etienne Pelaprat , R. Benjamin Shapiro

Conference Extended Abstracts on Human Factors in Computer Systems April 2002

Current software interfaces fail to incorporate historical data from user interaction into their design. While some systems exhibit a minimalist use of history in the form of undo and redo, selective menu items, and other static elements, there has been a lack of use of history in the dynamic elements of interaction. We propose a more widespread use of historical data from user-software interaction to augment the desktop and application environment. We believe the use of historical data can impr ...

22 From the editor: Four continents -- many lessons

77%



Joseph A. Konstan

ACM SIGCHI Bulletin - a supplement to *interactions* May 2002

23 Interactive Design: A visual language for sketching large and complex interactive designs

77%



James Lin , Michael Thomsen , James A. Landay

Proceedings of the SIGCHI conference on Human factors in computing systems: Changing our world, changing ourselves April 2002

Informal, sketch-based design tools closely match the work

practices of user interface designers. Current tools, however, are limited in the size and complexity of interaction that can be specified. We have created an advanced sketch-based visual language that allows for easy prototyping of large, complex interactive designs. In its current embodiment in the denim web design tool, the visual language allows designers to sketch reusable components for recurring page elements, such as navigation b ...

24 Office-by-example: an integrated office system and database manager 77%



Kyu-Young Whang , Art Ammann , Anthony Bolmarcich , Maria Hanrahan , Guy Hochgesang , Kuan-Tsae Huang , Al Khorasani , Ravi Krishnamurthy , Gary Sockut , Paula Sweeney , Vance Waddle , Moshé Zloof

ACM Transactions on Information Systems (TOIS) October 1987
Volume 5 Issue 4

Office-by-Example (OBE) is an integrated office information system that has been under development at IBM Research. OBE, an extension of Query-by-Example, supports various office features such as database tables, word processing, electronic mail, graphics, images, and so forth. These seemingly heterogeneous features are integrated through a language feature called example elements. Applications involving example elements are processed by the database manager, an integrated ...

25 Graphical search and replace 77%



David Kurlander , Eric A. Bier

ACM SIGGRAPH Computer Graphics , Proceedings of the 15th annual conference on Computer graphics and interactive techniques June 1988

Volume 22 Issue 4

26 Multiple mass-market applications as components 77%




David Coppit , Kevin J. Sullivan

Proceedings of the 22nd international conference on Software engineering June 2000

Truly successful models for component-based software development continue to prove elusive. One of the few is the use of operating system, database and similar programs in many systems. We address three related problems in this paper. First, we lack needed models. Second, we do not know the conditions under which such models can succeed. In particular, it is unclear whether the notable success with operating systems can be replicated. Third, we do not know whether certain specific models

ca ...


27 Product Review 77%

 Fred Butzen

Linux Journal October 1998


Applixware vs. StarOffice: A detailed comparison of the two office packages, their installations and ease of use

28 Survey of personal interactive multimedia technologies 77%

 Chingshun Cheng , C. Jinshong Hwang

Proceedings of the 19th annual conference on Computer Science April 1999

29 QBE/PC: the design of an integrated software system for a 77%

 personal computer

Kuan-Tsae Huang , Anthony Bolmarcich , Steven Katz , Richard Li
Proceedings of the 1986 ACM SIGSMALL/PC symposium on Small systems December 1986

Integrated software has become rather popular in recent years. After the spreadsheet found wide acceptance among application users, many vendors rushed to integrate several well-defined business application tasks within a spreadsheet environment. Such systems, however, are limited in that they cannot replace a conventional database. Businesses must keep data in a formal database to maintain data consistency and facilitate sharing. This paper describes the design and implementation of an int ...

30 A distributed algorithm for graphic objects replication in 77%

 real-time group editors

David Chen , Chengzheng Sun

Proceedings of the international ACM SIGGROUP conference on Supporting group work November 1999

Real-time collaborative editing systems are groupware systems that allow multiple users to edit the same document at the same time from multiple sites. A specific type of collaborative editing system is the object-based collaborative graphics editing system. One of the major challenge in building such systems is to solve the concurrency control problems. This paper addresses the concurrency control problem of how to preserve the intentions of concurrently generated operations whose ...

31 Computer simulation of communications on the space station 77%


 data management system

J. R. Agre , J. A. Clarke , M. W. Atkinson , I. H. Shahnawaz

Proceedings of the 19th conference on Winter simulation December 1987


A discrete event simulation model for performance evaluation of various alternatives in the design of the communication system on the Data Management System (DMS) of the space station has been developed. DMS.SIM, the SIMSCRIPT-based model of DMS consists of two components: (I) The communication architecture model of multiple, interconnected, fiber-optic, local area networks (LANs) where the LAN access protocol is either token-bus or a version of CSMA/CD with deterministic collision ...

32 User performance with command, menu, and iconic interfaces 77%

 John Whiteside , Sandra Jones , Paula S. Levy , Dennis Wixon
Proceedings of the CHI '85 conference on Human factors in computing systems April 1985

Performance and subjective reactions of 76 users of varying levels of computer experience were measured with 7 different interfaces representing command, menu, and iconic interface styles. The results suggest three general conclusions: there are large usability differences between contemporary systems, there is no necessary tradeoff between ease of use and ease of learning, interface style is not related to performance or preference ...

33 Graphical editing by example 77%


 David Kurlander
Proceedings of the conference on Human factors in computing systems January 1993

34 Collaborative conceptual schema design: a process model and prototype system 77%

 Sudha Ram , V. Ramesh
ACM Transactions on Information Systems (TOIS) October 1998
Volume 16 Issue 4

Recent years have seen an increased interest in providing support for collaborative activities among groups of users participating in various information systems design tasks such as, requirements determination and process modeling. However, little attention has been paid to the collaborative conceptual database design process. In this article, we develop a model of the collaborative conceptual schema development process and describe the design and implementation of a graphical multiuser c ...

35 Timewarp: techniques for autonomous collaboration 77%



 W. Keith Edwards , Elizabeth D. Mynatt
conference proceedings on Human factors in computing systems

March 1997

- 36 The aggregate data problem: a system for their definition and management 77%
M. Rafanelli , A. Bezenchek , L. Tininini
ACM SIGMOD Record December 1996
Volume 25 Issue 4
In this paper we describe the fundamental components of a database management system for the definition, storage, manipulation and query of aggregate data, i.e. data which are obtained by applying statistical aggregations and statistical analysis functions over raw data. In particular, the attention has been focused on: (1) a data structure for the efficient storage and manipulation of aggregate data, called ADaS; (2) the graphical structures of the aggregate data model ADAMO for a more use ...
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Wayne Citrin
ACM Computing Surveys (CSUR) December 1996
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Betsy Brown , Karen Collier , Chuck Farr , Betty Littrell , Sharon Slagle , Deborah Stratton
Proceedings of the 14th annual international conference on Systems documentation: Marshaling new technological forces: building a corporate, academic, and user-oriented triangle October 1996
- 39 What help do users need?: taxonomies for on-line information needs & access methods 77%
A. W. Roesler , S. G. McLellan
Conference proceedings on Human factors in computing systems May 1995
- 40 A selective undo mechanism for graphical user interfaces based on command objects 77%
Thomas Berlage
ACM Transactions on Computer-Human Interaction (TOCHI) September 1994
Volume 1 Issue 3
It is important to provide a recovery operation for applications with a graphical user interface. A restricted linear undo mechanism can conveniently be implemented using object-oriented techniques. Although linear undo provides an arbitrarily long history, it is not

possible to undo isolated commands from the history without undoing all following commands. Various undo models have been proposed to overcome this limitation, but they all ignore the problem that in graphical user interfaces a ...

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